

Chemistry Unit 7

More practice in writing and balancing equations

Write balanced chemical equations for the following reactions.

1. Zinc reacts with hydrogen chloride to form zinc chloride.



2. Sodium oxide reacts with water to form sodium hydroxide.



3. Iron metal reacts with water to form Fe_3O_4 and hydrogen gas.



4. Aluminum bromide reacts with chlorine gas to produce aluminum chloride and liquid bromine.



5. Nitric acid (HNO_3) reacts with barium hydroxide to produce barium nitrate and water.



6. Calcium sulfite decomposes when heated to form calcium oxide and sulfur dioxide.



7. Iron reacts with sulfuric acid (H_2SO_4) to form iron(II) sulfate and hydrogen gas.



8. Ammonia (NH_3) burns in air to form nitrogen dioxide and water.



9. Carbon disulfide burns in air to form carbon dioxide and sulfur dioxide.

